

TEL'YASHEVICH, Z.B.; GRACHEV, Yu.V.

Communication channel with electromagnetic contacts for telemetering
deep wells. Izv. vys. ucheb. zav.; neft' i gaz 2 no.10:73-77 '59.
(MIRA 13:2)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.
(Telemetering) (Oil wells)

YEL'YASHEVICH, Z.B.; PETROSYAN, A.N.; GRACHEV, Yu.V.; VIGDOROV, D.I.;
FRIDMAN, M.Ye.

Using field electric networks as a remote control communication
channel. Izv. vys. ucheb. zav.; neft' i gaz 3 no.11:91-94 '60.
(MIRA 14:1)
1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova.
(Remote control) (Oil fields)

FOMENKO, Fedor Nikitich. Prinimali uchastiye: SHKOL'NIKOV, B.M., kand.
tekhn. nauk; SUD, I.I., inzh.; GRACHEV, Yu.V., kand. tekhn. nauk;
PETROVA, Ye.A., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Electrodrills for drilling oil and gas wells] Elektrobury dlia
burenija neftianykh i gazovykh skvazhin. 2., dop. i perer. izd. Mo-
skva, Gos.nauchno-tekhn.izd-vo neft.i gorno-toplivnoi lit-ry, 1967.
327 p. (MIRA 14:12)
(Oil well drilling, Electric—Equipment and supplies)

BUSHNEVA, L.A.; FRIDMAN, M.Ye.; GRACHEV, Yu.V.; ATAYEV, R.E.;
ALIZADE, G.A.

II3a three-parameter pulse inclinometer for electrodrilling.
Izv. vys. ucheb. zav.; neft' i gaz 4 no.8:127-132 '61.

(MIRA 14:12)

(Inclinometer)
(Oil well drilling, Electric)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

ATAYEV, R.E.; GRACHEV, Yu.V.; BUSHNEVA, L.A.; FRIDMAN, M.Ye.

Inclinometer with noncontact transducers for checking the deflection of a well in electric drilling. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:73-78 '62. (MIRA 16:11)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

GRACHEV, Yuriy Vasili'yevich; VARLAMOV, Vladimir Pavlovich; MAMIKONOV,
A.G., kand. tekhn. nauk, red.; ISAYEVA, V.V., ved. red.;
POLOSINA, A.S., tekhn. red.

[Automatic control in wells during drilling and exploi-
tation] Avtomaticheskii kontrol' v skvazhinakh pri burenii i
eksploatatsii. Moskva, Gostoptekhizdat, 1963. 233 p.
(MIRA 16:6)

(Petroleum production) (Automatic control)

BIRYUKOVA, N.,; CHERNYAK, A., vrach; GRACHEVA, A., strakhovpy
delegat; KULAKOVA, V., tkachikha; KONSTANTINOVA, N., doverenny
vrach; KHMELEVA, V.

Payments out of state funds are not "a burden." Okhrana i
sots.strakh. 5 no.1:24-25 Ja '62. (MIRA 15:2)

1. Zamestitel' nachal'nika medсанchasti Gus'-Khrustal'nogo
zavoda imeni Dzerzhinskogo (for Biryukova). 2. 2-ya
Kovrovskaya bol'nitsa (for Chernyak). 3. Vladimirskaia
kontora svyazi (for Gracheva). 4. Karabanovskiy tekstil'nyy
kombinat (for Kulakova). 5. Moskovskiy gorodskoy sovet
professional'nykh soyuzov (for Konstantinova). 6. Spetsial'nyy
strakhvaniye" (for Khmeleva).

(Vladimir Province—Medicine, Industrial)

GRACHEVA, A.A., starshiy nauchnyy sotrudnik

Manufacture of textile fabrics lined with polyurethane foams.
Tekst. prom. 23 no.6:66-68 Je '63. (MIRA 16:7)

1. Otdel netkanykh materialov Kalininskogo nauchno-issledo-
vatel'skogo instituta tekstil'noy promyshlennosti (KNIITP).
(Textile fabrics) (Urethanes)

GRACHEVA, A.G.

Digestive disturbances in young children with pneumonia. Vop.
okh. mat. i det. 5 no. 5:36-41 S-0 '60. (MIRA 13:10)

1. Iz kafedry detskikh bolezney (zav. - prof. A.T. Petryayeva)
Smolenskogo meditsinskogo instituta (dir. - dotsent G.M. Starikov).
(DIGESTIVE ORGANS—DISEASES) (PNEUMONIA)

GRACHEVA, A.G.

The effect of rickets and hypotrophy on the enzymatic function
of the digestive system in pneumonia in children. Pediatriia 42
no.9:51-54 S'63. (MIRA 17:5)

1. Iz kafedry detskikh bolezney (zaveduyushchiy - dotsent N.M.
Smirnov) Vitebskogo meditsinskogo instituta (nauchnyy rukovoditel' -
prof. A.T. Petryayeva).

POGORLOVA, T.I.; GRACHEVA, A.L.; MASHTAKOVA, P.A.; TIMOSHENKO, A.P.;
YAKOVLEVA, G.A.; SHUBAYEVA, S.M.; SERGEEV, Ye.V.; LACHUGIMA,
V.A.; KOMSOMOL'TSIVA, L.I., red.; TOCHENYY, N.S., red.;
GIL'DEMBRANT, Ye., tekhn. red.

[Economy of Krasnoyarsk Territory; a statistical manual] Narodnoe
khoziaistvo Krasnoyarskogo kraia; statisticheskii sbornik.
(MIRA 11:10)
Krasnoyarsk, 1958. 332 p.

1. Krasnoyarsk (Kray). Statisticheskoye upravleniye. 2. Nachal'nik
Statisticheskogo upravleniya Krasnoyarskogo kraya (for Tochenyy).
(Krasnoyarsk Territory--Statistics)

GRACHEVA, A. M.

Investigation of chlorine derivatives of lignosulfonic acid. A. V. Karateev, I. P. Losey, P. S. Konovalenko, O. I. Shapiro and A. M. Gracheva. J. Applied Chem. (U. S. S. R.) 13, 751-61 (1940).—The chlorination of lignosulfonic acid (I) and sulfite alk. liquor yielded Cl derivs. which could be divided, after drying, into fractions insol. and sol. in water. The Cl derivs. of I contained more Cl in the sol. than in the insol. portion, whereas with those from sulfite liquor the reverse was true. The Cl derivs. of I contained 10.4-32.2% of Cl, depending on the conditions of chlorination. The insol. Cl, depending on the conditions of chlorination. The insol. Cl derivs. from I contained less, and the sol. more, & than follows from the theoretical calen. The removal of MeO groups occurred in the chlorination and increased with the increase in the Cl reacted, but not equally for the sol. and insol. portions. On an av., 1 MeO was substituted for each 2.6 atoms of Cl in the insol. and 3.8 atoms of Cl in the sol. portion.

A. A. Podgorny

ACC NR: AP6031838

(N)

SOURCE CODE: UR/0129/66/000/007/0028/0033

AUTHOR: Petrovichev, N. P.; Barabanenkov, N. I.; Fomin, A. P.; Stroganov, G. B.;
Gracheva, A. P.; Pozdnyakova, T. G.; Spektor, Ya. I.

ORG: none

TITLE: Utilizing the kinetic plasticity of stainless steel to reduce the warping of work parts
during their heat treatment

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 7, 1966, 28-33

TOPIC TAGS: stainless steel, metal deformation, plasticity, phase transition, stress
relaxation

ABSTRACT: During its phase transformations steel displays higher plasticity, and this effect
may be exploited to reduce warping, particularly in intricate large-sized work parts of high-
strength stainless steel (0.11-0.16% C, ≤ 1.0% Mn, 14-15.5% Cr, 4-5% Ni, 2.3-2.8% Mo,
0.06-0.1% N) whose structure, after a complete cycle of its heat treatment, consists of
martensite, residual austenite and isolated carbides, and which tends to shrink 0.5% when
quenched and expand 0.3% when subjected to subzero treatment. It is shown that the warping

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UDC: 620.191.38:669.15-194:669.24'26'23

SIG 8000

ACC NR: AP6031838

of work parts made of steels of this kind can be reduced by means of: use of fastening attachments designed so that the shrinkage associated with phase transformations would proceed from thin to bulky sections of the work part, while expansion, by contrast, would proceed from bulky to thin sections; and oriented deformation designed to maximize residual deformation and hence also to maximize the degree of stress relaxation. Orig. art. has: 8 figures, 2 tables.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 006

Card 2/2

NEMTSEVITSKAYA, M.A.; GRACHEVA, A.P.

Urinary modification in PAS therapy. Probl. tuberk., Moskva no.5:70-71
(CIML 21:2)
Sept-Oct 1951.

1. Of the Therapeutic Clinic of Ivanovo Oblast Clinical Hospital
(Director -- Prof. L. I. Vilenskiy) and of the First Oblast Tubercu-
losis Sanatorium (Head Physician -- A. L. Brodskiy).

SPEKTOR, Ya.I., kand.tekhn.nauk; GRACHEVA, A.P., inzh.

Some characteristics of cooling in a water-air mixture in
induction hardening. Metalloved. i term. obr. met. no.3:38-44
Mr '62. (MIRA 15:2)

(Induction hardening)
(Cooling)

KOTEL'NIKOV, V.N., kand.tekhn.nauk; CHENTSOVA, K.I., kand.tekhn.nauk;
ZYBIN, Yu.P., doktor tekhn.nauk; KOCHETKOVA, T.S.; ZAKATOVA, N.D.,
kand.tekhn.nauk; GUBAREV, A.S., kand.tekhn.nauk; SHVETSOVA, T.P.,
inzh.; VOROB'YEVA, A.A., kand.tekhn.nauk; MIRSKIY, V.I., inzh.;
NISNEVICH, Ye.A., kand.tekhn.nauk; GOL'DSHTEYN, A.V., inzh.;
KALASHNIKOVA, T.A., inzh.; SHUSTOROVICH, M.L., kand.tekhn.nauk;
MOREKHODOV, G.A., inzh.; ZAKHAROV, S.R., retsenzent; BLAGOVESTOV,
B.K., retsenzent; STRONGINA, O.P., retsenzent; SHMIDT, M.I., re-
tsenzent; ZUYEV, V.T., retsenzent; KOSAREV, M.I., retsenzent;
STEPANOV, I.S., retsenzent; RAMM, S.N., retsenzent; PEVZNER, B.M.,
retsenzent; VEYNBERG, I.A., retsenzent; TURBIN, A.S., retsenzent;
SMIRNOVA, Ye.V., retsenzent; BUGOSLAVSKAYA, L.A., retsenzent;
GAMOVA, A.S., retsenzent; KHANIN, N.M., retsenzent; MURVANIDZE,
D.S., red.; PLEMYANNIKOV, M.N., red.; GRACHEVA, A.V., red.; MEDVEDEV,
L.Ya., tekhn.red.

[Shoemaker's handbook] Spravochnik obuvshchika. Vol.1. Moskva,
Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl. 1958. 540 p.
(MIRA 12:4)

1.Gosudarstvennaya Ordena Lenina i Ordona Trudovogo Krasnogo Znameni
obuvnaya fabrika "Skorokhod" imeni Ya.Kalinina (for Zakharov, Blago-
vestov, Strongina, Shmidt, Zuyev, Kosarev, Stepanov, Ramm, Pevzner,
Veynberg, Turbin, Smirnova, Bugoslavskaya, Gamova, Khanin).
(Shoe manufacture)

MURASHKOVSKIY, Yan L'vovich; MURAV'YEV, M.I., retsenzent; GRACHEVA, A.V.,
red.; MEDVEDEV, L.Ya., tekhn.red.

["Svit" No.02087 staple-lasting machine] Zatiazhno-skobochnaya
mashina tipa No.02087 "Svit." Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po legkoi promyshl.. 1959. 97 p. (MIRA 12:12)
(Shoe machinery)

GRACHEVA, A.V.

KOTEL'NIKOV, Viktor Nikolayevich, kand.tekhn.nauk; LIOKUMOVICH, Khatskel' Khaimovich, kand.tekhn.nauk; PETRUNINA, Mariya Matveyevna, inzh.; SHVETSOVA, Tamara Petrovna, inzh.; FINGER, A.M., prepodavatel' tekhnika, retsenzent; STESSOV, I.I., inzh., nauchnyy red.; GRACHEVA, A.V., red.; PLEMYANNIKOV, M.N., red.; MEDVEDEV, L.Ya., tekhn.red.

[Technology of shoe manufacturing] Tekhnologija obuvi. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959. 602 p.
(MIRA 13:3)

(Shoe manufacture)

MARAKUSHEV, Yevgeniy Alekseyevich; OBLEZOV, Aleksandr Ivanovich; TARASOVA,
Vera Petrovna; GRACHEVA, A.V., red.; KNAKHIN, M.T., tekhn.red.

[PMZ class 86 sewing machine for blind-stitching of coat welting]
Shveinsaia mashina 86 klasse PMZ dlia vpushki borta pidzhaka.
Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 73 p.
(MIRA 14:1)

(Sewing machines)

ZUYEV, Viktor Tikhonovich; GRACHEVA, A.V., red.; LEVITSKAYA, N.N.,
tekhn.red.

[Designing molds for pressing rubber shoe bottom parts]
Proektirovaniye press-form dlia rezinovykh detalei niza obuvi.
Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 203 p.
(MIRA 13:12)

(Rubber industry--Equipment and supplies)
(Boots and shoes, Rubber)

SHNAYDR, Frantisek [Snaidr, Frantisek]; MAGID, M.I.[translator];
KONYAKHNA, T.G.[translator]; BINEVSKIY, P.S.[translator];
STESHOV, I.I., red.; GRACHEVA, A.V., red.; SHAPENKOVA, T.A.,
tekhn. red.

[Technology of shoe manufacture] Tekhnologija obuvi. Pod re.
M.I.Magida i I.I.Steshova. Moskva, Izd-vo nauchno-tekhn. lit-
ry RSFSR. Vol. 1. 1960. 210 p. Translated from the Czech.
(MIRA 15:4)

(Czechoslovakia--Shoe manufacture)

MARAKUSHEV, Yevgeniy Alekseyevich; DOLIN, Yevgeniy Aleksandrovich;
OBLEZOV, Aleksandr Ivanovich; GRACHEVA, A.V., red.; VINOGRADOVA,
G.A., tekhn. red.

[Class 85 sewing machine for hemming light fabrics developed by
the Podol'sk Machinery Plant] Shveinaia mashina 85 klasse PMZ
dlia podshivki tonkikh tkanei. Moskva, Izd-vo nauchno-tekhn.lit-
ry RSFSR, 1961. 54 p.
(MIRA 15:1)
(Podol'sk--Sewing machines)

SHMARGANER, Yeva Markovna; ZORIN, P.D., nauchnyy red.; GRACHEVA, A.V.,
red.; SHAPENKOVA, T.A., tekhn. red.

[Maintenance of lace machines] Obsluzhivanie kruzhevnoi ma-
shiny. Moskva, Izd-v^o nauchno-tekhn. lit-ry RSFSR, 1961. 156 p.
(MIRA 15:3)

1. Zamestitel' nachal'nika kruzhevного tsekha Moskovskoy kru-
zhevnoy i gardinno-tyulevoy fabriki imeni Tel'mana (for Zorin).
(Knitting machines) (Lace and lace making)

ALEKSANDROV, A.A.; FRIDMAN, B.I.[deceased]; PAVLOV, L.P., retsenzent;
MASHNIKOV, Ye.M., nauchnyy red.; GRACHEVA, A.V., red.; SHVETSOV,
S.V., tekhn. red.

[Handbook of master worker in the saddle and industrial leather
industries] Spravochnik mastera proizvodstva shorno-sedel'nykh i
tekhnicheskikh kozh. Moskva, Izd-vo nauchno-tekhn.lit-ry
RSFSR, 1961. 411 p.

(MIRA 15:1)

(Leather)

ASHRATOVA, Sof'ya Kemalevna; VLASKINA, Lidiya Sergeyevna; GRACHEVA,
A.V., red.; TRISHINA, L.A., tekhn. red.

[New rapid-sewing machines of classes 83, 93, and 49 for the
assembly and stitching of Russian leather shoe parts] Novye
bystrokhodnye shveiniye mashiny dlia sborki zagotovok iuftevoi
obuvi 83, 93, i 49 klassov. Moskva, Rostekhizdat, 1962. 119 p.
(Shoe machinery) (MIRA 15:7)

LEVENKO, Petr Ivanovich; POLINSKIY, S.L., retsenzent; GRACHEVA, A.V.,
red.; ZOLOTAREVA, I.Z., tekhn.-red.

[Use of the LZ-5 plasticizer in the manufacture of leather
and industrial fabrics] Primenenie plastifikatora LZ-5 pri
proizvodstve kozh i tekhnicheskikh tkanei. Moskva, Gizleg-
prom, 1963. 28 p.
(Plasticizers) (Leather) (Textile fabrics)

LEVENKO, Petr Ivanovich; SHIFRIN, I.G., retsenzent; GRACHEVA, A.V.,
red.; BATYREVA, G.G., tekhn. red.

[Experimental use of "Zhiramol" in leather fat-liquoring]
Opyt primeneniia zhiramola pri zhirovani kozh. Moskva,
Gislegprom, 1963. 42 p.
(Leather) (Oils and fats)

VOROB'YEVA, Anna Aleksandrovna, kand. tekhn. nauk; ZAKATOVA, Nina
Dmitriyevna, kand. tekhn.nauk; KHODAKOVA, M.A., retsenzent;
GRACHEVA, A.V., red.; VINOGRADOVA, G.A., tekhn. red.

[Commercial study of materials used for footwear manufacture]
Materialovedenie obuvnogo proizvodstva. Izd.3., perer. i dop.
Moskva, Gizlegprom, 1963. 274 p. (MIRA 16:9)
(Shoe manufacture--Equipment and supplies)

FIRSOV, Konstantin Gavrilovich; MEDVEDEV, M.F., retsenzent; GRACHEVA,
A.V., red.; BATYREVA, G.G., tekhn. red.; SHAPENKOVA, T.A.,
tekhn. red.

[Analysis of the production operation of a knit goods
factory] Analiz proizvodstvennoi deiatel'nosti trikotazh-
nykh fabrik. Moskva, Gizlegprom, 1963. 133 p.
(MIRA 17:2)

SHNAYDR, Frantishek [Snaidr, Frantisek]; MAGID, M.I.[translator];
KONYAKHINA, T.G.[translator]; STESHOV, I.I., red.;
GRACHEVA, A.V., red.; BATYREVA, G.G., tekhn. red.;
SHAPENKOVA, T.A., tekhn. red.

[Technology of footwear] Tekhnologija obuvi. Pod red.
M.I.Magida i I.I.Steshova. Moskva, Gizlegprom. Pt.2.
1963. 234 p. Translated from the Czech. (MIRA 17:2)

STRAKHOV, Ivan Pavlovich, prof.; ARONINA, Yuliya Naumovna, dots.;
GAYDAROV, Leonid Petrovich, dots.; GOLOVTEYEVA,
Alevtina Alekseyevna, dots.; CHERNOV, Nikolay Vladimirovich,
prof.; SHESTAKOVA, Irina Sergeyevna, prof.; KOTOV, M.P.,
prof., retsentent; KLOCHKOV, S.A., inzh., retsentent;
GRACHEVA, A.V., red.; PLEMYANNIKOV, M.N., red.

[Chemistry and technology of leather and fur] Khimiia i
tekhnologii kozhi i mekha. Moskva, Legkaii industriia,
1964. 621 p. (MIRA 18:2)

BUZOV, Boris Aleksandrovich; POZHIDAYEV, Nikolay Nikolayevich;
MODESTOVA, Tat'yana Alekseyevna; PAVLOV, Anatoliy
Ivanovich; FLEROVA, Lyudmila Nikolayevna; ZORUK,
Vladimir Luk'yanovich; SADYKOVA, F.Kh., dots., retsenzen;
KUKIN, G.N., prof., red.; GRACHEVA, A.V., red.

[Practical laboratory work on the study of materials for
the clothing industry] Laboratornyi praktikum po materialo-
vedeniiu shveinogo proizvodstva. [By] B.A.Buzov i dr. Mo-
skva, Legkaia industriia, 1964. 439 p. (MIRA 18:2)

SINAYUK, David Aronovich; GONIKMAN, M.Ye., retsenzent; GRACHEVA,
A.V., red.

[Ways to improve welted footwear; quality, material ex-
penditure, and production methods] Puti sovershenstvova-
nia rantovoi obuvi; kachestvo, materialoemkost', sposob
proizvodstva. Moskva, Legakaia industriia, 1965. 179 p.
(MIRA 18:10)

1. Zamestitel' direktora po nauchnoy rabote Latviyskogo
kompleksnogo nauchno-issledovatel'skogo instituta Gosu-
darstvennogo komiteta legkoy promyshlennosti pri Gosplane
SSSR (for Gonikman).

L 08910-67 EMP(d)/EMP(m)/EMP(v)/EMP(j)/EMP(k)/EMP(h)/EMP(l) RM
ACC NR: AF6023069 (A) SOURCE CODE: UR/0191/66/000/004/0056/0057 24

AUTHOR: Sagalayev, G. V.; Andrianova, N. V.; Vlasov, S. V.; Gracheva, B. S.

ORG: none

TITLE: Tensile testing of orientated polyethyleneterephthalic film

SOURCE: Plasticheskiye massy, no. 4, 1966, 56-57

TOPIC TAGS: tensile stress, elongation, polyethylene
TEREPHTHALATE, POLYETHYLENE

ABSTRACT: A new "diaphragm" method of determining the tensile strength of an oriented polyethyleneterephthalic (PETF) film is proposed to offset the drawbacks of the conventional technique. The material tested was a PETF film oriented in two directions. The schematic drawing of the test apparatus is shown in Figure 1. The diagram used to calculate forces and elongation is given in Figure 2. The results obtained by this method are characteristic of the average strength value of the entire piece of film or of the lot. The tensile strength specimens ranged between $1580 \pm 20\%$ for specimens cut by a razor blade, and $1900 \pm 7.5\% \text{ kg/cm}^2$ for the proposed specimens. The method proposed does not eliminate the effect of the "primary structures" of the original films on the "secondary structures." However, it minimizes the effect of the factors involved in cutting the specimens and reduces the structural distortion of the film. In the opinion of the authors, the conventional method of testing strip specimens must

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UDC: 678.674'524'42-416.01 : 539.412

L 08910-67

ACC NR: AP6023069

be retained in order to have a more accurate evaluation of strength in different directions of orientation. Orig. art. has: 2 fig., 3 formulas, and 1 table.

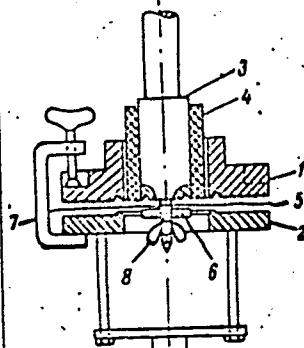
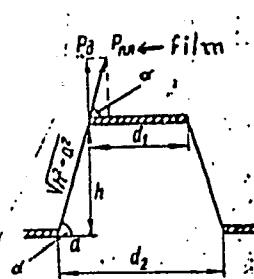


Figure 1. Schematic drawing of tensile test apparatus

1 and 2 - jaws; 3 - upper internal clamp;
4 - guide cylinder;
5 - specimen; 6 - lower internal clamp;
7 - hand clamp (two);
8 - butterfly nut



P_{n1} - force arising from stretching of film; P_n - tensile load; d_1 - diameter of internal clamp, cm; h - opening between clamps at time specimen fails, cm; a - width of work section of specimen

Figure 2. Diagram for calculation of forces and elongation of the film investigated

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 002

Card 2/2

L 08797-67 EWT(m)/EWP(j) RM

ACC NR: AP6030850

(A, N) SOURCE CODE: UR/0191/66/000/009/0036/0039

AUTHOR: Sagalayev, G. V.; Andrianova, N. V.; Vlasov, S. V.; Gracheva, B. S.

ORG: none

TITLE: Assessment of the quality of films made of stereospecific polyethylene terephthalate

SOURCE: Plasticheskiye massy, no. 9, 1966, 36-39

TOPIC TAGS: polyester plastic, synthetic material, polymer, polyethylene terephthalate, synthetic fiber, plastic strength

ABSTRACT: The correlation between the degree of stereospecificity of polyethylene terephthalate films and modulus of elasticity, compression stress, and free thermal shrinkage was studied in the 70-128°C range. The stretching rate was 200-19,000% per minute, the degree of film stretch was from 1.5 up to the threshold value. The dependence of elasticity modulus, compression stress, and free thermal shrinkage on each of the three variables are graphed. It was found that all of these dependences reflect structural changes in the film material and are functions of temperature, rate of film stretch, and the degree of stretch. It was found that elasticity modulus and compression stress increase with increased stereospecificity of the polyethylene terephthalate film. The free thermal shrinkage of such films was found to decrease with increased

Card 1/2

UDC: 678.674'524'420=416:678.027.42]:65-018

L 08797-67

ACC NR: AP6030850

O
stereospecificity of the film's material. Orig. art. has: 5 figures and 3 formulas.

SUB CODE: 11/ SUBM DATE: 00/ ORIG REF: 004/ OTH REF: 011

Card 2/2 nat

GRACHEVA, B.S.

PRIGOROVSKIY, N.I.; PREYSS, A.K.; AKUTIN, M.S.; GRACHEVA, B.S.

Models fo HD-6 epoxy resin in the polarization-optical method for
studying stresses. Zav. lab. 23 no.4:488-492 '57. (MLRA 10:6)

1. Institut mashinovedeniya Akademii nauk SSSR, Moskovskiy institut
plastmass.
(Strains and stresses) (Resins, Synthetic)

GRACHEVA, B.S.

<p>5(3); 25(2)</p> <p>PHASE I BOOK EXPLOITATION</p> <p>50V/2804</p> <p>Moscow. Due nauchno-tekhnichesky proizvodstvo i zavod P.E. Districhinskogo.</p> <p>Vladimir. V machinestroystvye (Plastika i Moshinae Byudzhet) Moscow, Magistri,</p> <p>1959. 256 p. Erketa slyp inserted. 6,000 copie printed.</p> <p>Sponsoring Agency: Otdelkhozstrogo po raspredeleniyu politicheskikh i nauchnykh</p> <p>materialov.</p> <p>Source: This collection of articles is intended for engineers and technical men</p> <p>in the machine-building industry.</p>	<p>content: This collection reviews the progress made by the Soviet Union in the</p> <p>field of manufacturing new plastic materials and developing different plastic-</p> <p>merchandise articles for use in the machine-building industry. Polyisobutylene,</p> <p>and dielectric properties of phenolic, decorative, thermoplastic, and their</p> <p>polymerized plastics, and fiber-glass plastics are analyzed, and their</p> <p>use in machine building described. Characteristics and composition of asbestos</p> <p>and asbestos agents are given, and the technology of the greasing process described.</p> <p>Methods of coating with plastics as a protection against corrosion are explained, as well as</p> <p>methods used for manufacturing and fabricating plastic and articles made of</p> <p>plastics. Mechanisms used for automation operations and automatic control of various</p> <p>processes are discussed. No generalities are mentioned. References accompany</p> <p>each article.</p>	<p>19</p>	
<p>VLASOV, K.P. and E.E. MASHKOVICH. Polyaide Resins</p>	<p>content: V.L. Vlasov and E.E. Mashkovich have written a brief review of the</p> <p>characteristics of polyacrylate resins and their use in the production of</p> <p>various types of plastic articles.</p>	<p>29</p>	
<p>GUREVICH, T.Y. Insulated Plastics With Fiberglas Mats and Paper</p>	<p>content: T.Y. Gurevich has written a brief review of the characteristics of</p> <p>plastics with paper and decorative mats — Bakelite and ABS bakelite.</p>	<p>39</p>	
<p>GRANOVSKII, V.I. Plastics and Decorative — Bakelite and ABS Bakelite</p>	<p>content: V.I. Granovskii has written a brief review of Bakelite and ABS</p> <p>bakelite.</p>	<p>42</p>	
<p>HILDEBRAND, R.T. Boring of Metals</p>	<p>content: R.T. Hildebrand has written a brief review of the methods of</p> <p>boring of metals.</p>	<p>35</p>	
<p>KALINOV, V.I. Organization of Polyamide Dept. in Machine Building</p>	<p>content: V.I. Kalinov has written a brief review of the organization of</p> <p>polyamide departments in machine building.</p>	<p>65</p>	
<p>KARAEV, N.G. Technology of Preparing Thermoplastic Plastic Material</p>	<p>content: N.G. Karayev has written a brief review of the technology of</p> <p>preparing thermoplastic plastic material.</p>	<p>71</p>	
<p>AKHIEZER, Ye.V. Applying Plastic Coatings by Spraying</p>	<p>content: Ye.V. Akhiezer has written a brief review of the spraying</p> <p>method of applying plastic coatings.</p>	<p>85</p>	
<p>ZHURAVLEVA, N.B. New Method of Manufacturing Holes and Patterns Made</p>	<p>content: N.B. Zhuravleva has written a brief review of a new method of</p> <p>making holes and patterns made of epoxy Resins.</p>	<p>91</p>	
<p>STREL'CHIKOV, S.M. Processing Thermoplastic Sheets by Formatic and</p>	<p>Form Mats</p>	<p>99</p>	
<p>LEPOGINA, T.Y. and V.N. GRIBACHEV. Pressure Cess of Polyamides</p>	<p>content: T.Y. Lepogina and V.N. Gribachev have written a brief review of</p> <p>the pressure cess of polyamides.</p>	<p>109</p>	
<p>PETROVSKII, I.Z., and V.I. BIMMELIN. Processing Fluoroplastic - 4</p>	<p>content: I.Z. Petrovskii and V.I. Bimmelin have written a brief review of</p> <p>processing fluoroplastic - 4.</p>	<p>117</p>	
<p>SHUBNIKOV, M.P. Problems of Designing Press Molds for Fabricating</p>	<p>Artificial Mats of Plastic Material</p>	<p>125</p>	
<p>KOCH, D.P., Ye.H. KAZANSKIY, and M.P. SHUBNIKOV. Neutralization of</p>	<p>Plastics Achieved by High Vacuum Preparation Method</p>	<p>135</p>	
<p>LEVIA, A.P. Equipment for Fabricating Articles Made of Plastics</p>	<p>content: A.P. Levia has written a brief review of equipment for</p>	<p>fabricating articles made of plastics.</p>	<p>144</p>
<p>SEGOLEV, V.P. Rolling Machines for Forming Articles From</p>	<p>Rolling Powder</p>	<p>165</p>	
<p>KARAEV, N.G. Technological Processes for Processing Plastic Materials,</p>	<p>and Automatic Process Control</p>	<p>167</p>	
<p>SHURGIN, G.D. Mechanization and Automation in Mechanical Processing</p>	<p>of Plastic Material Articles</p>	<p>171</p>	
<p>ANATOL'EV, S. Theory of Creepage</p>	<p>content: Anatol'ev has written a brief review of the theory of</p>	<p>creepage.</p>	<p>175</p>

L 27788-65 EWT(n)/EPA(s)-2/EWP(c)/EWP(j) PC-4/Pr-4/Pt-10 RH
ACCESSION NR: AP5004309 8/0191/65/000/002/0015/0017

AUTHOR: Levantovskaya, I. I.; Kovarskaya, B. M.; Novoselova, I. A.; Berlin, A. A.;
Bass, S. I.; Klapovskaya, O. A.; Gracheva, B. S.; Andrianova, N. V.

TITLE: Stabilization of polyethylene terephthalate

SOURCE: Plasticheskiye massy, no. 2, 1965, 15-17

TOPIC TAGS: polymer stabilization, polyethylene terephthalate, polymer heat stability, polymer film, dielectric property, film strength, activated anthracene, polyester

ABSTRACT: The thermal stability of polyethylene terephthalate was determined in the presence and absence of thermally activated anthracene to study the effect of this stabilizer on the mechanical and dielectric properties of polyethylene terephthalate films. The thermal decomposition of polyester crumb, indicated by the increase in gas pressure, was determined at 260°C and was found to increase with initial oxygen pressure in the absence of stabilizer. Thermally activated anthracene was prepared by heating in an inert atmosphere to 450°C for 1 hour. In 0.1% concentration, the stabilizer markedly decreased the initial decomposition rate; 1% additions were more effective than non-activated anthracene and decreased the

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ACCESSION NR: AP5004309

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gas generation at 260°C and 450 mm Hg oxygen pressure to about one fourth of the values measured with non-stabilized polymer. A similar but lesser effect was observed at 260°C in a helium atmosphere. Films prepared with 0.1% activated anthracene showed improved tensile strength, both longitudinal and crosswise, an increase in specific electrical resistance and a slight decrease in dielectric loss angle. In 0.1% concentration the additive also had a significant effect on aging of films at 150°C for up to 30 days. After this period, stabilized films exhibited good tensile strength, whereas the strength of non-stabilized films was reduced to a fraction of the initial value. The improved inhibitor activity of thermally treated anthracene can be related to the formation of paramagnetic particles and the polarization of molecules, as indicated by published studies. Activated anthracene is recommended as an additive for producing oriented films of polyethylene terephthalate. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: None

ENCL: 00

SUB CODE: 00

SUBMITTED: 00

OTHER: 001

NO REF Sov: 011

Card 2/2

L 47006-66 EWT(m)/EWP(j)/T RM
ACC NR: AP6027281 (A) SOURCE CODE: UR/0191/66/000/008/0039/0042

AUTHOR: Sagalayev, G. V.; Andrianova, N. V.; Vlasov, S. V.; Gracheva, B. S.

25
B

ORG: none

TITLE: Optimum conditions for simultaneous biaxial orientation of polyethylene terephthalate film

SOURCE: Plasticheskiye massy, no. 8, 1966-39-42

TOPIC TAGS: polyethylene terephthalate, elongation, polymer physical property

ABSTRACT: In an earlier paper, the authors showed that the elongation stress σ and elongation work A_{el} can be used as criteria for the degree of orientation of polyethylene terephthalate (PETP) films. The object of the present paper was to correlate σ and A_{el} with the physicomechanical properties σ_u (tensile strength), σ_s (shrinkage stress), E (modulus of elasticity) and ϵ_g (free shrinkage) under corresponding elongation conditions (temperature t , elongation rate v and degree of elongation K). Values of t , v and K were chosen at which the samples of PETP had high physicomechanical properties, and the orientation parameters were calculated from them. The calculated values of A_{el} , obtained from the formula

$$A_{el} = 4[B + C_1(\log v) \exp\left(\frac{B_1}{T_1}\right)] \left(\frac{K}{1.2}\right)^n$$

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UDC: 678.674'524'420-416

L 47006-66
ACC NR: AP6027281

agreed with the experimental ones over wide limits. It is shown that the elongation conditions under which orientation and relaxation take place preferentially can be determined. The greater σ , the higher the orientation, and the better the physicomechanical properties. It is concluded that the optimum degree of simultaneous biaxial orientation of PETP can be obtained over a wide range of the interrelated technological parameters t , v , K , σ , A_{el} , etc. Orig. art. has 5 figures, 1 table and 6 formulas.

SUB CODE: 11/ ORIG REF: 003/ OTH REF: 005

Card 2/2 vmb

GRACHEVA, G. I. *

"Materials on the Study of Intracutaneous Tests for Toxoplasmosis"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis,
Moscow, 3-5 April 1961, publ. by Inst. Epidemiology and Microbiology
im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69 pp.

*IEM im. Gamaleya AMN SSSR, Moscow

GRACHEVA, G.M.; ZAKGHEYM, L.N.; SAPONOV, V.P.

Electrolytic capacitors for pulse lighting equipment.. Usp.nauch.
fot. 6:72-74 '59. (MIRA 13:6)
(Electric discharge lighting)
(Electric capacitors)

15.9201

29457
S/081/61/000/017/164/166
B117/B110

AUTHORS: Morozov, A. D., Epshteyn, V. G., Ognevskiy, L. A., Gracheva,
G. N.

TITLE: Properties of combined systems of different rubbers with
resins obtained in the condensation of aromatic amines and
formaldehyde

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1961, 596, abstract
17 № 316 (Uch. zap. Yaroslavsk. tekhnol. in-ta, v. 5, 1960,
115 - 125)

TEXT: The properties of combined systems of CKC-30 (SKS-30), CKH-18
(SKN-18) and CKH-26 (SKN-26) and formaldehyde aniline resins obtained by
rolling lie between those of rubbers and those of plastics: increased
modulus and strength, reduced relative and permanent extension, high
hardness with good impact strength, high resistance to gasoline and frost.
The SKS-30-vulcanizates with formaldehyde aniline resin are sufficiently
temperature stable and resistant to thermal ageing. An increase in the
HCOH-to-aniline ratio in the resin causes a higher gasoline resistance of X

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B117/B110

Properties of combined systems of ...

the vulcanizates. If the formaldehyde aniline resin content is increased to 120 parts by weight, the swelling of the SKS-30-vulcanizates in the gasoline is reduced to one third. At the same time the brittle point is increased only by 10°. With increased filling the critical strain up to which the vulcanizate follows Hooke's law, increases. A substitution of the aniline portion by n-toluidine increased the strengths of the vulcanizates, the moduli and the resistances to wear, and also increased the plasticity of the mixture. [Abstracter's note: Complete translation.]

X

Card 2/2

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

GRACHEVA, G. S.

Dissertation: "On the Improvement of the Health of Young Children in the Sector of Children's Hospitals." Cand Med Sci, Sci Res Inst of Physical Education and School Hygiene, Academy o' Pedagogical Sciences RSFSR, 6 May 54. (Vechernaya Moskva, Moscow, 28 Apr 54)

SO: SUM 243, 19 Oct 1954

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

GRACHEVA, G.S., kand.med.nauk

Care of children attending nurseries and kindergartens.
Vop.okh.mat. i det. 3 no.5:76-80 S-O '58 (MIRA 11:11)

1. Iz otdela organizatsii zdravookhraneniya (rukoveditel' - prof.
A.G. TSeytlin) Gosudarstvennogo nauchno-issledovatel'skogo
pediatriceskogo instituta (dir. V.N. Karachevtseva).
(CHILDREN--CARE AND HYGIENE)

GRACHEVA, G.S., kand.med.nauk

Succession of observations of the nursery physician and district
pediatrician of children in nurseries. Pediatriia 37 no.3:68-72
Mr '59. (MIRA 12:4)

1. Iz Moskovskogo nauchno-issledovatel'skogo pediatricheskogo insti-
tuta (dir. - kand.med. nauk V.N. Karachevtseva).

(PEDIATRICS

nursery serv. by district pediatrician & nursery
physician in U.S.S.R., recommendations (Rus))

GOLOVANOVA, G.P., kand.med.nauk; GRACHEVA, G.S., kand.med.nauk

Effect of hydroaeroionization on the state of health and development of infants. Pediatrilia 39 no.1:24-28 '61. (MIRA 34:1)

1. Iz ot dela organizatsii zdravookhraneniya (rukoveditel' - prof. A.G. Tseytin) Gosudarstvennogo nauchno-issledovatel'skogo perifiticheskogo instituta (dir. - kand.med.nauk A.P. Chernikova).
(AIR, IONIZED) (WATER) (INFANTS)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

GORDIN, B.L. [deceased]; GRACHEVA, G.V.

Ukrainian Conference of Physicians and Laboratory Workers in
Food Hygiene. Vop. pit. 18 no. 6:83-86 N-D '59. (MIRA 14:2)
(FOOD HANDLING—CONGRESSES)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

STOLMAKOV, A.I.; GRACHEVA, G.V.

Interrepublic conference of Ukrainians, White Russians and
Moldavians on problems in nutritional hygiene. Vop. pit. 19
no. 4890-94 Jl-Ag '60. (MIRA 13:11)
(FOOD INDUSTRY--SANITATION--CONGRESSES)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

GRACHEVA, G.V.

Ukrainian republic-wide conference of physicians on the hygiene
of nutrition in connection with the application of poisons in
agriculture. Vop. pit. 24 no.2:89-91 Mr-Ap '65.

(MIRA 18:8)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

STOLMAKOVA, A.I.; GRACHEVA, G.V.

All-Union Conference on Problems in the Hygiene of Nutrition.
Vop. pit. 24 no. 3:87-91 My-Je '65.

(MIRA 18-12)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

AC 40 0441-71-001

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

Gracheva, I.M.

USSR /Chemical Technology. Chemical Products
and Their Application

I-31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32857

Author : Rukhlyadeva A.P., Gracheva I.M.

Title : Extraction of Sugars in Determination of Starch
Content of Grain

Orig Pub: Spirt. prom-st', 1956, No 4, 8-9

Abstract: A procedure has been worked out and an apparatus evolved, for the extraction of sugars from grain to permit their determination by the polarographic method. The apparatus consists of a conical, wide-neck flask, a beaker with a

Card 1/3

USSR /Chemical Technology. Chemical Products
and Their Application

1-31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32857

porous bottom, a separatory funnel, a Liebig condenser and a receiver. 5 g of the ground material are weighed out in the beaker, 10-12 ml of 82% alcohol are added, the beaker is placed into the flask and closed with a stopper through which extends the tip of the outlet tube of the separatory funnel which passes through the stopper of the flask. Into the separatory funnel are poured 70 ml 82% alcohol. The flask is stoppered, connected to the condenser and placed in a boiling bath. On heating of the alcohol the pressure within the beaker rises and the liquid is forced through the layer of the sub-

Card 2/3

USSR /Chemical Technology. Chemical Products
and Their Application

I-31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32857

stance being analyzed and then through the porous filter. The sugars are thus extracted. The extract collects on the bottom of the flask, is heated to a boil, the vapor passes into the condenser and the condensate collects in the receiver. Addition of fresh portions of alcohol have been used up. Distillation is continued until 70-73 ml of condensate have collected in the receiver. The 7 or 8 increment extraction ensures complete removal of the sugars. The process of extraction and distillation of the solvent requires 30-35 minutes.

Card 3/3

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

GRACHEVA, I.M.

RUKHLYADEVA, A.P.; GRACHEVA, I.M.

Rapid chemical diastatic method for the determination of the
starch content of grain. Spirt.prom. 23 no.6:6-10 '57.
(MIRA 10:12)

(Grain--Analysis)
(Starch--Analysis)
(Diastase)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

SIGALOV, B.Ya.; PROKHOROVA, Yu.M.; GRACHEVA, I.M.

Sodium thiocyanate as a herbicide causing total eradication of
vegetation. Biul. Glav. bot. sada no.31:95-98 '58.
(MIRA 12:5)

1. Glavnnyy botanicheskiy sad AN SSSR.
(Sodium thiocyanate) (Herbicides)

RUKHLYADEVA, A.P.; MIKHRINA, Ye.N.; GRACHEVA, I.M.

Accuracy of the polarimetric method for determining the starch
content of grain. Trudy TSNILISP no. 8:89-98 '59.

(Grain) (Starch) (MIRA 14:1)

RUKHLYADEVA, A.P.; FILATOVA, T.G.; GRACHEVA, I.M.

Colorimetric method of determining carbohydrates by means
of anthrone. Trudy TSNIISP no. 8:122-129 '59. (MIRA 14:1)
(Carbohydrates) (Anthrone)

GRACHEVA, I.M.

Formation of higher alcohols in the autolysis of beer yeasts.
Izv.vys.ucheb.zav.; pishch.tekh.no.5:31-36 '60. (MIRA 13:12)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
Kafedra mikrobiologii..
(Yeast) (Autolysis) (Alcohols)

VESELOV, I.Ya.; GRACHEVA, I.M.; MIKHAYLOVA, L.Ye.; ADYASOV, M.V.

Effect of temperature conditions on the formation of fermentation by-products in beer. Spirt.prom. 29 no.5:13-16 '63. (MIRA 17:2)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti
(for Veselov, Gracheva, Mikhaylova). 2. Ostankinskiy pivovarennyy zavod
(for Adyasov).

VESELOV, I.Ya.; KANN, A.G.; GRACHEVA, I.M.

Formation of aldehydes and higher alcohols by yeasts *Saccharomyces vini*, *Sacch. carlsbergensis* and *Sacch. cerevisiae* in the presence of sulfites in the fermented medium. *Mikrobiologiya* 32 no.4:610-615
Jl-Ag '63. (MIRA 17:6)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

KANN, A.G.; GRACH, V.A., I.M.

Effect of aeration on higher alcohols accumulation in the fermentation
of wort with various yeast strains. Ferm. i spirt. prom. 30 no. 5:14-16
'64. (MIRA 17:10)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

VESELOV, I.Ya.; KANN, A.G.; GRACHEVA, I.M.

Synthesis of amino acids and formation of higher alcohols during
fermentation. Ferm. i spirt.prom. 30 no.8:7-11 '64.

(MIRA 18:1)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

VESELOV, I.Ya.; MIKHAYLOVA, L.Ye.; GRACHEVA, I.M.

Effect of various amylolytic enzymes on the process of corn
saccharification. Prikl. biokhim. i mikrobiol. 1 no.3:285-293
My-Je '65. (MIRA 18:7)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

GRACHEVA, I.M.; BABAYEVA, S.A.; GRYAZNOV, V.P.

Effect of individual amino acids on the formation of higher
alcohols in alcohol fermentation. Prikl. biokhim. i
mikrobiol. 1 no.5:529-537 So 65. (MIRA 18:11)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyslennosti.

Country	:USSR
Category	:Microbiology. Antibiosis and Symbiosis. Antibiotics.
Abs. Jour	:Ref Zhur-Biol., No 23, 1958, No 103721
Author	:Severin, V. A.; Maslova, S. N.; Gracheva, I. V.
Institut.	:--Vsesoyuznyy nauchno-issledovatel'skiy Inst. antibiotikov, Moskva
Title	:Conversion Processes of Streptomycin Mannoside into Streptomycin A.
Orig Pub.	:Mikrobiologiya, 1957, 26, No 5, 580-585
Abstract	:The production of streptomycin A by two-day, washed actinomycete mycelia in a phosphate buffer with two percent glucose is increased by an average of 1.85 times in the presence of streptomycin mannoside sterilized in an autoclave or filtered through a Geitz filter. This corresponds to a possible theoretical increase in activity through the complete conversion of streptomycin mannoside into streptomycin A. Conversion of streptomycin mannoside into streptomycin A occurs at the same rate in the absence or in the presence of glucose, but depends on the age and mass of the mycelia. It is most active with two-day-old mycelia.--N. I. Nakhimovskaya.
Card:	1/1

F-29

SEVERINA, V.A., GRACHEVA, I.V., GORSKAYA, S.V.

Amino nitrogen balance and metabolism in *Actinomyces streptomycini* during growth and development [with summary in English]. Vop.med. Khim. 4 no.6:455-463 N-D '58 (MIRA 12:1)

1. All-Union Research Institute of Antibiotics, Moscow.
(ACTINOMYCIS, metab.
amino nitrogen in *Actinomyces streptomycini* (Rus))
(NITROGEN,metab.
same (Rus))

COUNTRY : USSR
CATEGORY :
ABS. JOUR. : RZhBiol., №. 3 1959, №. 10074
AUTHOR : Severin, V. A., Gracheva, I. V.
INST. : ---
TITLE : The Conversion of Streptomycin Mannoside into Streptomycin A.
ORIG. PUB. : Mikrobiologiya, 1958, 27, No 1, 27-31
ABSTRACT : The conditions of conversion of streptomycin mannoside (I) into streptomycin A (II) were investigated in experiments with washed mycelium of the producer in a phosphate buffer and under conditions of ordinary fermentation on industrial medium. In the former case, the intensity of the conversion process of I into II was greatest within limits of a pH of 7.7-8.0. A pH of less than 7.0 or more than 8.5 was unfavorable for the conversion of I into II. The aeration conditions did not

Card: 1/2

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SEVERINA, V.A.; GORSKAYA, S.V.; GRACHEVA, I.V.

Studies on the role of amino acids in streptomycin synthesis. Vop.
med.khim. 5 no.6:448-457 N-D '59. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.
(STREPTOMYCIN chem.)
(AMINO ACIDS chem.)

17(2,3)

AUTHORS: Severina, V. A., Gorskaya, S. V., Gracheva, I. V. SOV/20-126-5-54/69

TITLE: Effect of Amides on the Biosynthesis of Streptomycin (Vliyaniye amidov na biosintez streptomitsina)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5,
pp 1103 - 1106 (USSR)

ABSTRACT: It was previously proved that various amino acids such as glycine, α -alanine, valine, arginine, histidine, lysine, isoleucine and phenyl-alanine, stimulate the streptomycin formation both in the usual fermentation of the actinomycetes on a simple synthetic medium, and in severe experiments with cultivated mycelium. Various other amino acids do not show this effect, while others (cystine and tryptophane) suppress the formation of streptomycin. Most of the stimulating amino acids disappear from the nutrient medium after 40-48 hours. Ammonia is formed due to a desamination of the α -amino group; besides, arginine serves as an ammonia source on account of the arginase- and urease-activity of the actinomycetes. As is known, the streptomycin molecule, namely its streptobiosamine part, contains methyl-glucosamine. There are publication references on a role

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Effect of Amides on the Biosynthesis of Streptomycin SOV/2o-126-5-54/69
of the glutamine in the glucosamine synthesis by transamination (Refs 1-3), in which glutamine acts as a distributor of the amino group. Under these points of view, the streptomycin producer was struck with the idea investigating this process. Asparagine and the genus LS-1 were first used for this purpose. For the method of cultivation, see reference 4. A culture without amide served as control. Table 1 shows that the activity of the culture-liquid increased by 25-40% as compared with the control. Further 13 severe, even more accurate, experiments have shown (Table 2) that the said increase may even attain 60%. Thus, asparagine takes part in the streptomycin synthesis. Further experiments, with and without glucose, have shown (Table 3) that glucose raises considerably the yield of streptomycin; thus, according to an opinion uttered, asparagine has something to do with the formation of glucosamine. The control of the glucose consumption showed (Figs 1 a,b) that, in the presence of asparagine, the decrease of the glucose is higher than in the control. No spot of any amino acid could be ascertained chromatographically (Fig. 2: 1-5). The disappearance of the amide strip speaks for a utilization of the nutrient by the fungus. A further task would be the testing of the effect of glutamine on the processes.

Card 2/3

Effect of Amides on the Biosynthesis of Streptomycin SOV/20-126-5-54/69

in question. This could further clarify the mechanism of participation of the said amides in the building-up of the antibiotic molecule. There are 4 figures, 4 tables, and 4 references, 1 of which is Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov
(All-Union Scientific Research Institute for Antibiotics)

PRESENTED: March 19, 1959, by V. N. Shaposhnikov, Academician

SUBMITTED: March 10, 1959

Card 3/3

GRACHEVA, I. V., SEVERIN, V. A., and CORSKAYA, S. V. (USSR)

"Amides in the Biosynthesis of Streptomycin and Glucosamines."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

SEVERINA, V.A.; GORSKAYA, S.V.; GRACHEVA, I.V.

Role of amides in streptomycin biosynthesis. Dokl. AN SSSR 139
no.3:736-739 Jl '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
Predstavleno akademikom A.I. Oparinym.
(STREPTOMYCIN) (ASPARAGINE) (GLUTAMINE)

SEVERINA, V.A.; GORSKAYA, S.V.; GRACHEVA, I.V.

Role of amides in the biosynthesis of streptomycin. Vop.
med. khim. 7 no.4:425-433 Jl-Ag '61. (MIRA 15:3)

1. The All-Union Research Institute of Antibiotics, Moscow.
(STREPTOMYCIN) (AMIDES)

SEVERINA, V.A.; GORSKAYA, S.V.; GRACHEVA, I.V.

Effect of cycloserine on the biosynthesis of glucosamine
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"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

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Raising turkey poults. Rab. i sial. 30 no. 7:23 J1 '54.
(Turkeys) (MLRA 9:4)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7"

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"Using the Continuous Method of Operation
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Variety of Items."

Thesis for degree of Cand. Technical Sci.
Sub 26 Jun 50, Moscow Aviation Technological Inst.

Summary 71, 4 Sep 52, Dissertations Presented
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in 1950. From Vechernaya Moskva. Jan-Dec 1950.

GRACHEVA, K.A. and I.L. DEGTIAREV

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Introducing assembly-line methods to heat-treatment shops of small quantity production.

DLC: TN4. V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GLAGOLEVA, L.A., kand. tekhn. nauk, dots.; PROSKURYAKOV, A.V., kand. tekhn. nauk, dots.; IPATOV, M.I., kand. tekhn. nauk, dots.; RAZUMOV, I.M., prof., doktor ekon. nauk; FURTOV, S.G., inzh., starshiy prepodavatel'; MURAV'YEV, M.S., kand. tekhn. nauk, dots.; GRACHEVA, K.A., kand. tekhn. nauk, dots.; KOMAROV, F.V., inzh., retsentent; TOBIAS, D.A., kand. tekhn. nauk, red.; SALYANSKIY, A.A., red. izd-va; EL'KIND, V.D., tekhn. red.

[Problems for the course in the organization and planning of machinery plants] Sbornik zadach po kursu organizatsii i planirovaniia mashinostroitel'nykh predpriiatii. Pod red. I.M. Razu-

mova, L.A. Glagolevoi. Moskva, Mashgiz, 1962. 261 p.

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(Machinery industry)

LUTSEVICH, P.A.; MONGALEV, G.F.; MIKHALEVICH, N.G.; ZINOVICH, K.F.;
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Yu.N.; VOLOKHOV, M.A.; DOMASHEVICH, O., red.; KARKLINA, E.,
red.; ZUYKOVA, V., tekhn. red.

[Manual for livestock raisers] Spravochnik zhivotnovoda.
2., dop. i perer. izd. Minsk, Gos.izd-vo sel'khoz.lit-ry
BSSR, 1963. 462 p. (MIRA 16:8)

1. Glavnyy zootehnik Upravleniya nauki Ministerstva sel'skogo
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(Stock and stockbreeding)

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GRACHEVA, K. P. - "Tenoplastic supracondylar amputation of the femur in case of thrombosis of the arteries of the lower extremities". Gor'kiy, 1955. Gor'kiy State Medical Inst imeni S. M. Kirov. (Dissertation for the degree of Candidate of Medical Sciences).

SO: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

GRACHEVA, K.P.

PLOTKIN, F.M., professor, GRACHEVA, K.P.

Tenoplastic supracondyloid amputation of the thigh in vascular
diseases of the lower extremities. Khirurgia no.6:30-35 Je '55.

(THIGH, surg. (MLRA 8:10)

amputation, supracondyloid in thrombosis of legs)

(LEG, blood supply

thrombosis, supracondyloid thigh amputation)

(THROMBOSIS

leg, supracondyloid thigh amputation)

(AMPUTATION

supracondyloid of thigh in thrombosis of leg)

GRACHEVA, K.P.; GUREVICH, B.Ye. (Moskva, ul. Lesnaya, d.43, kv.3)

Tumors of the carotid body. Vop.onk. 5 no.5:602-603 '59.

(MIRA 12:12)

1. Iz 1-y khirurgicheskoy kliniki (zav. - N.I. Makhov) Moskovskogo
oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta im.
M.F. Vladimirovskogo.

(PARAGANGLIOMA, case reports
(Rus))

GRACHEVA, K.P.; ODINOKOVA, V.A.; KUN, N.

Analysis of mortality in thyrotoxic goiter according to data from
the surgical clinic of the Moscow Regional Clinical Research
Institute for a period of 8 years (1950-1957). Probl. endok. i
gorm. 6 no. 5:34-39 '60. (MIRA 14:1)
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GRACHEVA, K.P., kand. med. nauk; ODINKOVA, V.A. (Moskva)

Adrenal pathology in thyrotoxicosis. Probl. endok. i gorm. 9
no.5:71-74 S-0163 (MIRA 16:12)

1. Iz -1-y khirurgicheskoy kliniki (zav. - prof. N.I.Makhov)
i patologoanatomiceskogo otdela (zav. - chlen-korrespondent
AMN SSSR prof. A.P.Avtsyn) Moskovskogo oblastnogo nauchno-
issledovatel'skogo klinicheskogo instituta imeni M.F.Vladimir-
skogo (dir. P.M.Leonenko).

GRACHEVA, L.I.

BRUDZ', V.G.; GLOBUS, R.L.; GRACHEVA, L.I.; GROZOVSKAYA, A.M.

Production of lead cyanamide and its use as a pigment in paints
and lacquers. Khim. prom. no.6:352-356 S '57. (MIRA 11:1)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov i Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut - 4.

(Lead cyanamides)
(Pigments)

Graeber

PAGE I BOOK EXPLANATION

SOV/9210

Moscow. Vsesoyuznyy nauchno-issledovatel'nyy institut khimicheskikh reaktivov
Vsevobuch vysokoy chistoty i rastvorimosti: zhurnaly stat'ev (High Purity Substances
and Reagents; Collection of Articles) No. 16, Gor'kiy, Gor'kii, 1979.
156 p. (Series: Izd-vo, vyp. 23) Prints. slip inserted. 1,700
copies printed.

Sponsoring Agency: USSR. Sovet Ministerov. Gossudarstvennyy Institut po khimii.
Ed.: Yu.V. Lyubash, Trch. Ed.: Ye.D. Shablik. Editorial Board of Series:
V.G. Brusik, V.M. Grishko, R.P. Lekhterov. (Izv. Akad. Nauk SSSR, Ser. Khim.,
O.A. Makhnay, O.I. Makhnay, G.A. Perel'man (Dept. Redp. Ed.), and
I.D. Shevchenko.

PURPOSE: This book is intended for personnel of chemical research and industrial
chemical laboratories.

CONTENTS: The book contains 36 articles by affiliates of the Scientific Research
Institute for Chemical Reagents (IZM) on various topics which may be adopted
by different branches of industry in producing, analyzing, and studying inor-
ganic and organic substances of high purity. Figures, tables, and references
accompany each article. No personalities are mentioned.

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cfr

GRACHEVA, L.I.; SHEVKUNOVA, Ye.A.

Materials on the study of bloodsucking mosquitoes in the southern part of Archangel Province. Zool. zhur. 38 no. 11:1751-1753 N '59
(MIRA 13:3)

1. Department of the Infections with Natural Nidality, Institute of Epidemiology and Microbiology, Academy of Medical Sciences of the U.S.S.R., Moscow.
(Vel'sk District--Mosquitoes)

SHEVKUNOVA, Ye.A.; GRACHEVA, L.I.

Horseflies of Archangel Province. Zool. zhur. 39 no. 10:1577-
1578 O '60. (MIRA 13:11)

1. Department of the Infections of Natural Nidality, Institute
of Epidemiology and Microbiology, U.S.S.R. Academy of
Medical Sciences, Moscow.

(Archangel Province--Horseflies)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516510015-7

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M.A.; YESIKOV, M.S. and KOLTUNOV, M.V.

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for Toxoplasmosis"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis,
Moscow, 3-5 April 1961, publ. by Inst Epidemiology and Microbiology
im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69pp.

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Use of new media for culturing leishmania. Lab. delo 7 no.6:
46-48 Je '61. (MIRA 14:7)

1. Otdel prirodno-ochagovykh bolezney (zav. - prof. P.A.Petrishcheva)
instituta epidemiologii i mikrobiologii imeni N.F.Gamalei AMN SSSR
i Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh
preparatov imeni L.A.Tarasevicha (dir. L.S.Ogloblina), Moskva.
(LEISHMANIASIS)

GRACHEVA, L.I.

Preparation of the allergen for intradermal reactions in toxoplasmosis.
Zhur. mikrobiol. epid. i immun. 32 no.7:124-126 Je '61. (MIRA 15:5)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(TOXOPLASMOSIS)